

Response to the Final Office Action Dated July 2, 2004
Serial No. 10/056,101

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Canceled)
8. (Canceled)
9. (Canceled)
10. (Canceled)
11. (Canceled)
12. (Previously presented) An anchored anti-rotation analog post for preparing dental crown for insertion into the mouth of patient, said analog post comprising:
an elongated pin having opposite top and bottom ends;

Response to the Final Office Action Dated July 2, 2004
Serial No. 10/056,101

said pin having at least one anti-rotation anchoring projection extending discretely and radially from said pin near said bottom end thereof, wherein said at least one anchoring projection comprises a pair of opposing radially extending projections wherein said at least one pair of opposing radially extending anchoring projections comprises rigid loops.

13. (Canceled)

14. (Previously presented) An anchored anti-rotation analog post for preparing dental crown for insertion into the mouth of patient, said analog post comprising:

an elongated pin having opposite top and bottom ends;

said pin having at least one anti-rotation anchoring projection extending discretely and radially from said pin near said bottom end thereof, wherein said at least one anchoring projection comprises a pair of opposing radially extending projections, wherein said at least one pair of opposing radially extending anchoring projections comprises rigid plates having a center slot, said center slot disposed in a matching slot disposed in the lower end of said pin, said lower-end pin slots for receiving and securing said rigid plates.

15. (Previously presented) An anchored anti-rotation analog post for preparing dental crown for insertion into the mouth of patient, said analog post comprising:

an elongated pin having opposite top and bottom ends;

said pin having at least one anti-rotation anchoring projection extending discretely and radially from said pin near said bottom end thereof, wherein said at least one anchoring projection comprises a pair of opposing radially extending projections, wherein said at least one pair of opposing radially extending anchoring projections comprises rigid serrated barbs.

16. (Original) The device of Claim 15 wherein said barbs are tapered to have a smaller radial extension toward the lower end of said pin.

Response to the Final Office Action Dated July 2, 2004
Serial No. 10/056,101

17. (Original) The device of Claim 15 wherein said barbs are tapered to have a smaller radial extension toward the upper end of said pin.
18. (Canceled)
19. (Previously presented) An anchored anti-rotation analog post for preparing dental crown for insertion into the mouth of patient, said analog post comprising:
an elongated pin having opposite top and bottom ends;
said pin having at least one anti-rotation anchoring projection extending discretely and radially from said pin near said bottom end thereof wherein said at least one anchoring projection comprises at least two pairs of opposing radially extending projections, wherein said at least one pair of opposing radially extending anchoring projections comprises rigid loops.
20. (Canceled).
21. (Previously presented) An anchored anti-rotation analog post for preparing dental crown for insertion into the mouth of patient, said analog post comprising:
an elongated pin having opposite top and bottom ends;
said pin having at least one anti-rotation anchoring projection extending discretely and radially from said pin near said bottom end thereof wherein said at least one anchoring projection comprises at least two pairs of opposing radially extending projections, wherein said at least one pair of opposing radially extending anchoring projections comprises rigid plates having a center slot, said center slot disposed in a matching slot disposed in the lower end of said pin, said lower-end pin slots for receiving and securing said rigid plates.
22. (Previously presented) An anchored anti-rotation analog post for preparing dental crown for insertion into the mouth of patient, said analog post comprising:
an elongated pin having opposite top and bottom ends;
said pin having at least one anti-rotation anchoring projection extending discretely and

Response to the Final Office Action Dated July 2, 2004
Serial No. 10/056,101

radially from said pin near said bottom end thereof wherein said at least one anchoring projection comprises at least two pairs of opposing radially extending projections, wherein said at least one pair of opposing radially extending anchoring projections comprises rigid serrated barbs.

23. (Original) The device of Claim 22 wherein said barbs are tapered to have a smaller radial extension toward the lower end of said pin.
24. (Original) The device of Claim 22 wherein said barbs are tapered to have a smaller radial extension toward the upper end of said pin.
25. (Canceled)
26. (Canceled)
27. (Canceled)
28. (Canceled).
29. (Canceled)
30. (Previously presented) A method of preparing dental crowns efficiently and accurately, comprising the steps of
 - a. preparing an analog for a jaw implant supporting a dental crown mounting pin having at least one pair of radially extending anchoring extensions disposed near a bottom end of said pin wherein said at least one pair of opposing radially extending anchoring projections comprises rigid loops;
 - b. inserting bottom-end-down said prepared mounting pin into a dental crown casting mold wherein said pin comprises at least one pair of anchoring projections oppositely and radially extending from a bottom end of said pin;

Response to the Final Office Action Dated July 2, 2004
Serial No. 10/056,101

- c. securing said prepared mounting pin temporarily in place within said casting mold;
- d. adding settable plastic molding material to said casting mold so as to embed said bottom end of said pin by surrounding said bottom end of said pin with said plastic molding material; and
- e. allowing said plastic molding material to set and harden with said prepared pin embedded within said molding material.

31. (Canceled)

32. (Previously presented) A method of preparing dental crowns efficiently and accurately, comprising the steps of

- a. preparing an analog for a jaw implant for a dental crown mounting pin having at least one pair of radially extending anchoring extensions disposed near a bottom end of said pin wherein said pin comprises at least one pair of anchoring projections oppositely and radially extending from a bottom end of said pin, wherein said at least one pair of opposing radially extending anchoring projections comprises rigid plates having a center slot, said center slot disposed in a matching slot disposed in the lower end of said pin, said lower-end pin slots for receiving and securing said rigid plates;
- b. inserting bottom-end-down said prepared mounting pin into a dental crown casting mold;
- c. securing said prepared mounting pin temporarily in place within said casting mold;
- d. adding settable plastic molding material to said casting mold so as to embed said bottom end of said pin by surrounding said bottom end of said pin with said plastic molding material; and
- e. allowing said plastic molding material to set and harden with said prepared pin embedded within said molding material.

Response to the Final Office Action Dated July 2, 2004
Serial No. 10/056,101

33. (Previously presented) A method of preparing dental crowns efficiently and accurately, comprising the steps of

a. preparing an analog for a jaw implant supporting a dental crown mounting pin having at least one pair of radially extending anchoring extensions disposed near a bottom end of said pin wherein said pin comprises at least one pair of anchoring projections oppositely and radially extending from a bottom end of said pin, wherein said at least one pair of opposing radially extending anchoring projections comprises rigid serrated barbs;

b. inserting bottom-end-down said prepared mounting pin into a dental crown casting mold;

c. securing said prepared mounting pin temporarily in place within said casting mold;

d. adding settable plastic molding material to said casting mold so as to embed said bottom end of said pin by surrounding said bottom end of said pin with said plastic molding material; and

e. allowing said plastic molding material to set and harden with said prepared pin embedded within said molding material.

34. (Original) The method of Claim 33 wherein said barbs are tapered to have a smaller radial extension toward the lower end of said pin.

35. (Original) The method of Claim 33 wherein said barbs are tapered to have a smaller radial extension toward the upper end of said pin.

36. (Canceled)

37. (Canceled)

38. (Previously presented) A method of preparing dental crowns efficiently and accurately, comprising the steps of

Response to the Final Office Action Dated July 2, 2004
Serial No. 10/056,101

- a. preparing an analog for a jaw implant supporting a dental crown mounting pin having at least one pair of radially extending anchoring extensions disposed near a bottom end of said pin, wherein said at least one pair of opposing radially extending anchoring projections comprises rigid plates having a center slot, said center slot disposed in a matching slot disposed in the lower end of said pin, said lower-end pin slots for receiving and securing said rigid plates, wherein said pin comprises at least two pairs of anchoring projections oppositely and radially extending from a bottom end of said pin and wherein said at least two pairs of said projections are spaced apart longitudinally on said pin near said bottom end thereof;
- b. inserting bottom-end-down said prepared mounting pin into a dental crown casting mold;
- c. securing said prepared mounting pin temporarily in place within said casting mold;
- d. adding settable plastic molding material to said casting mold so as to embed said bottom end of said pin by surrounding said bottom end of said pin with said plastic molding material; and
- e. allowing said plastic molding material to set and harden with said prepared pin embedded within said molding material.

39. (Previously presented) A method of preparing dental crowns efficiently and accurately, comprising the steps of

- a. preparing an analog for a jaw implant supporting a dental crown mounting pin having at least one pair of radially extending anchoring extensions disposed near a bottom end of said pin, wherein said at least one pair of opposing radially extending anchoring projections comprises rigid serrated barbs, wherein said pin comprises at least two pairs of anchoring projections oppositely and radially extending from a bottom end of said pin and wherein said at least two pairs of said projections are spaced apart longitudinally on said pin near said bottom end thereof;
- b. inserting bottom-end-down said prepared mounting pin into a dental crown casting mold;

Response to the Final Office Action Dated July 2, 2004
Serial No. 10/056,101

- c. securing said prepared mounting pin temporarily in place within said casting mold;
- d. adding settable plastic molding material to said casting mold so as to embed said bottom end of said pin by surrounding said bottom end of said pin with said plastic molding material; and
- e. allowing said plastic molding material to set and harden with said prepared pin embedded within said molding material.

40. (Original) The method of Claim 39 wherein said barbs are tapered to have a smaller radial extension toward the lower end of said pin.

41. (Original) The method of Claim 39 wherein said barbs are tapered to have a smaller radial extension toward the upper end of said pin.